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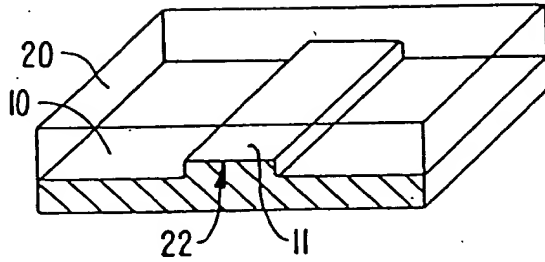


FIG. 1.

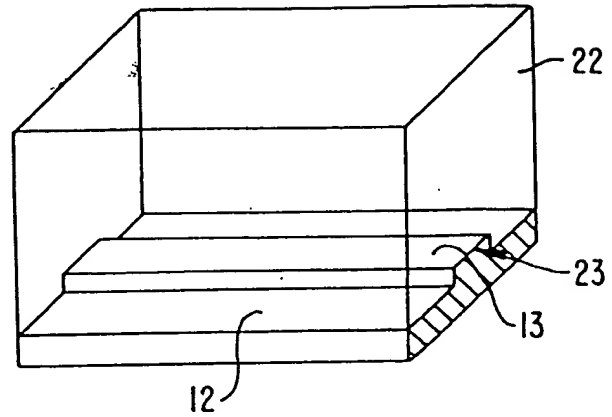


FIG. 2.

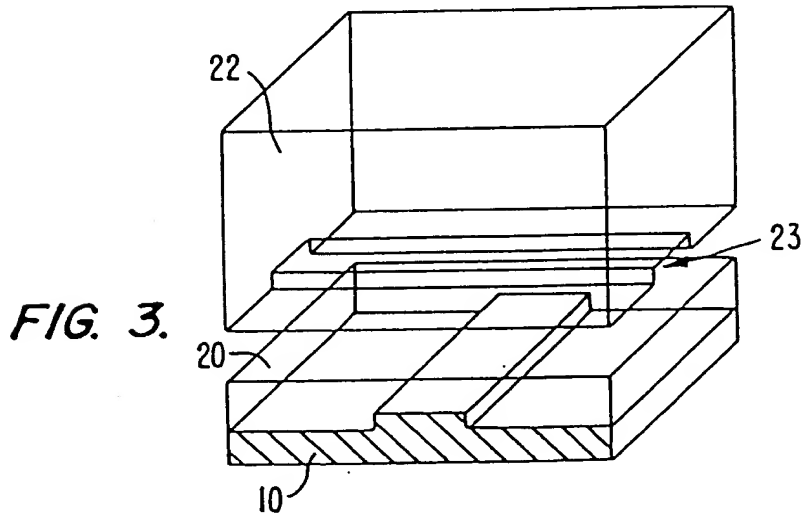


FIG. 3.

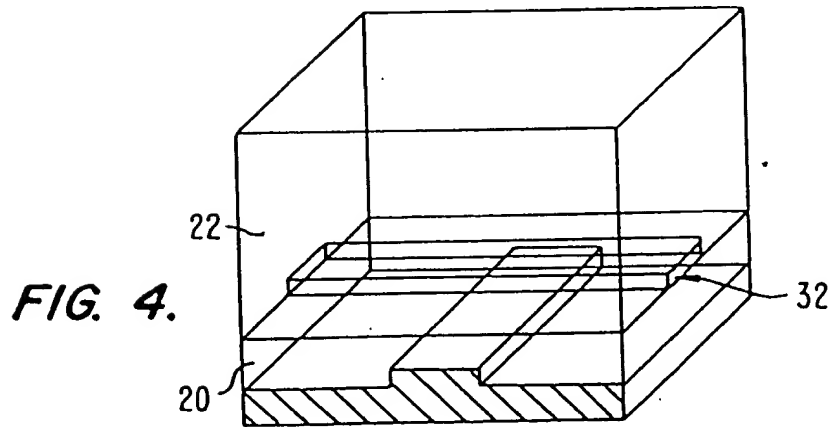


FIG. 4.

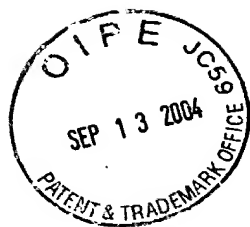


FIG. 5.

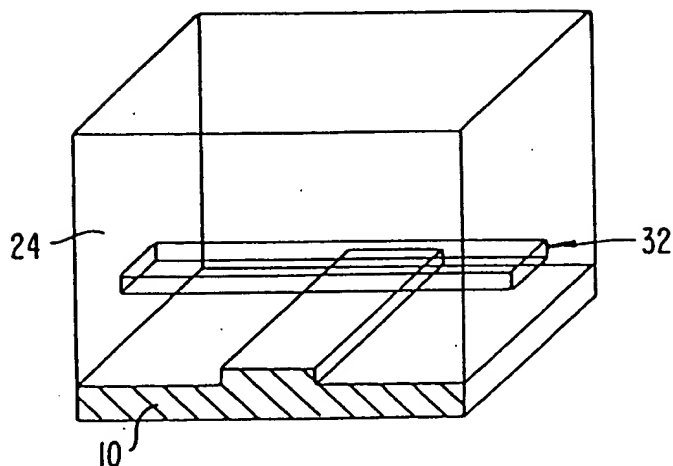


FIG. 6.

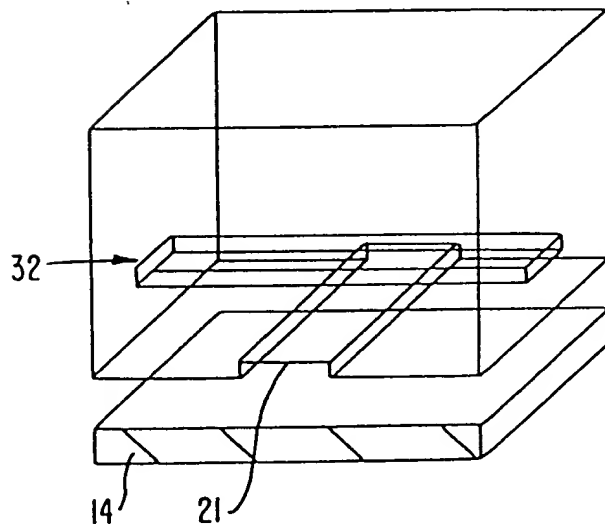
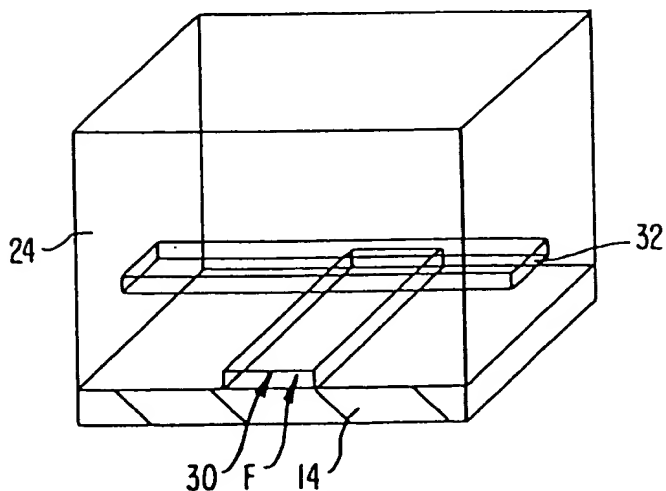
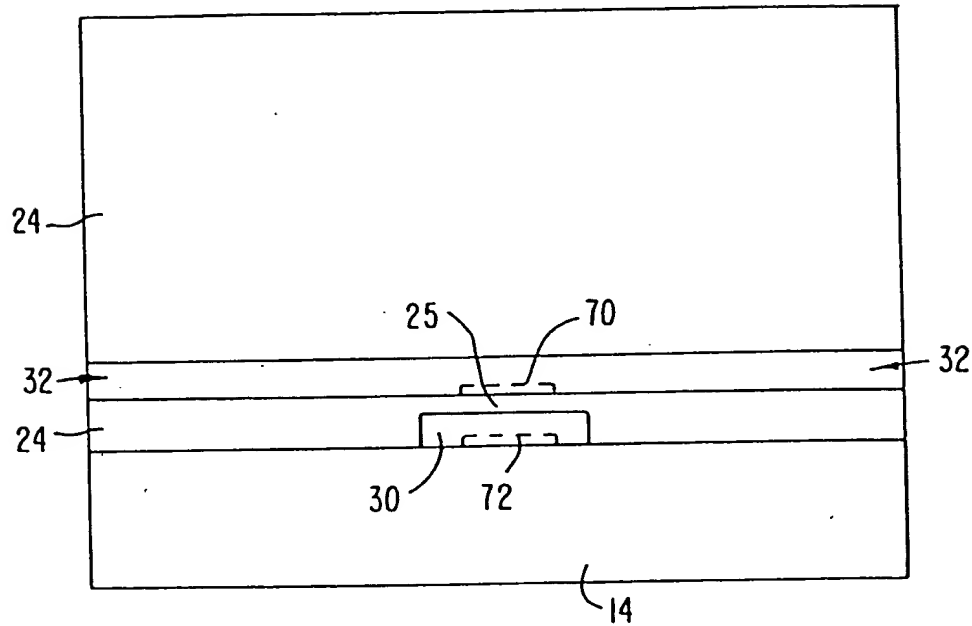


FIG. 7A.

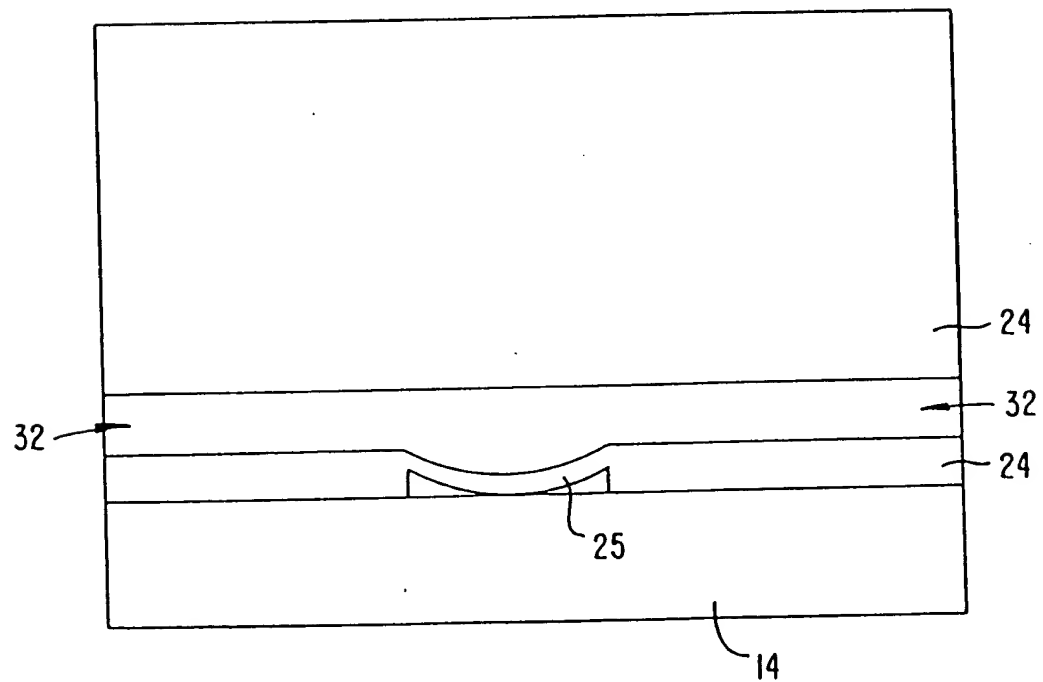




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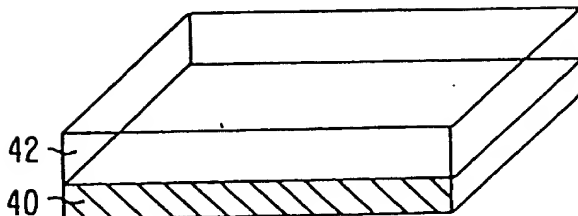
**FIG. 7B.**



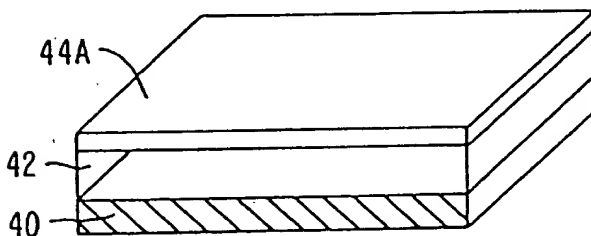
**FIG. 7C.**



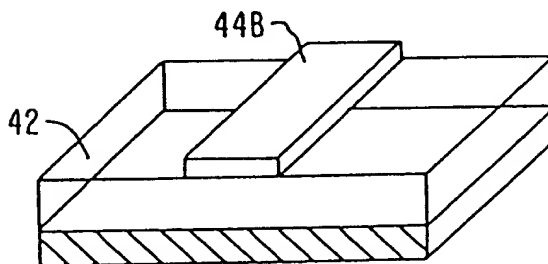
**FIG. 8.**



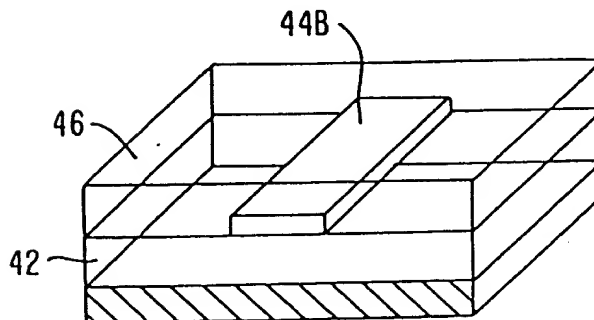
**FIG. 9.**



**FIG. 10.**



**FIG. 11.**





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FIG. 12.

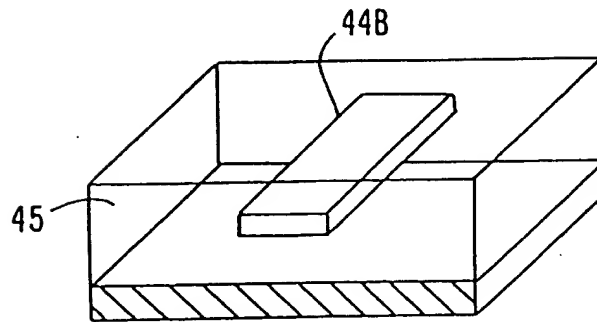


FIG. 13.

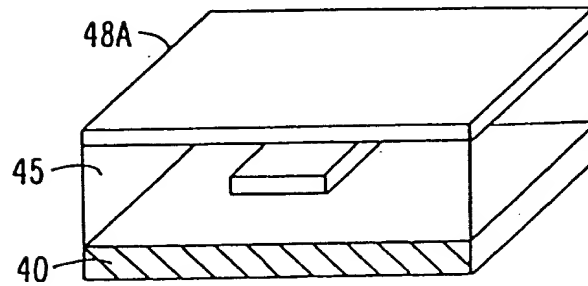


FIG. 14.

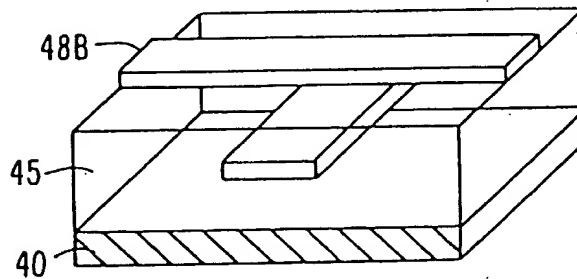


FIG. 15.

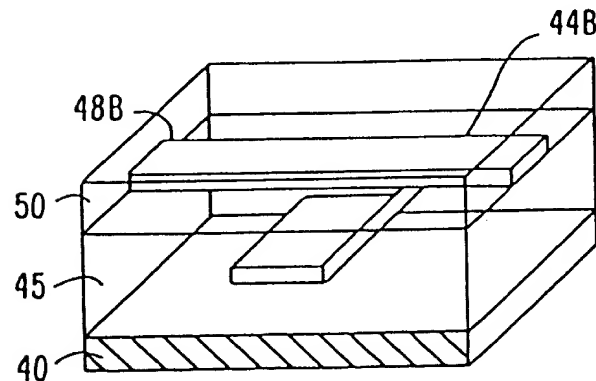




FIG. 16.

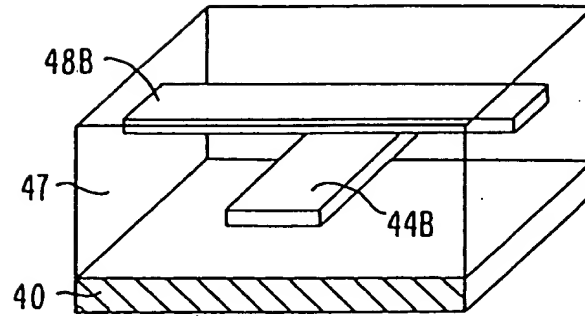


FIG. 17.

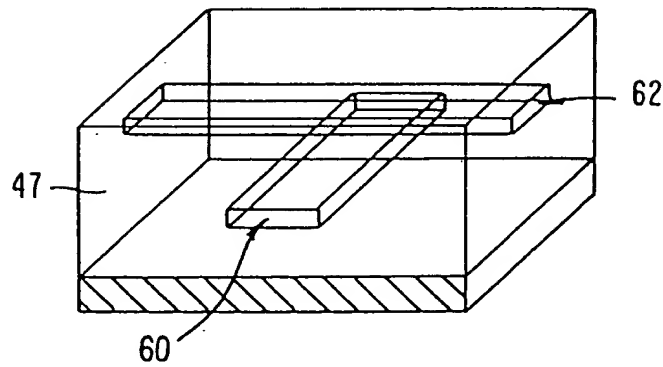
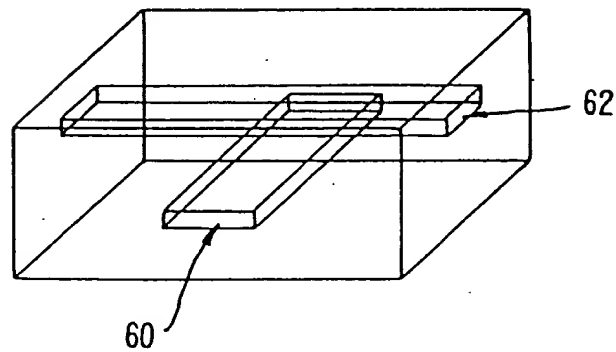
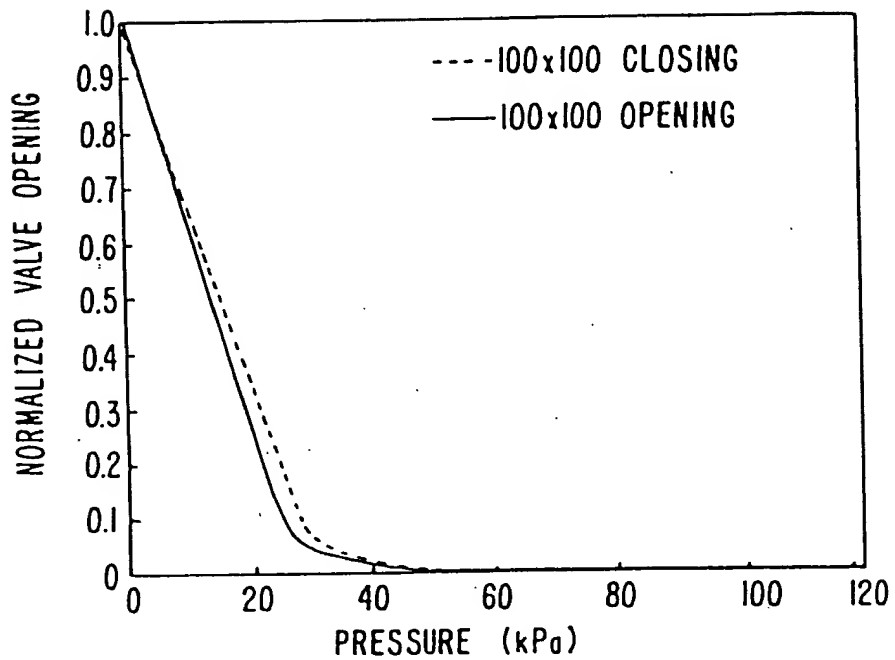


FIG. 18.

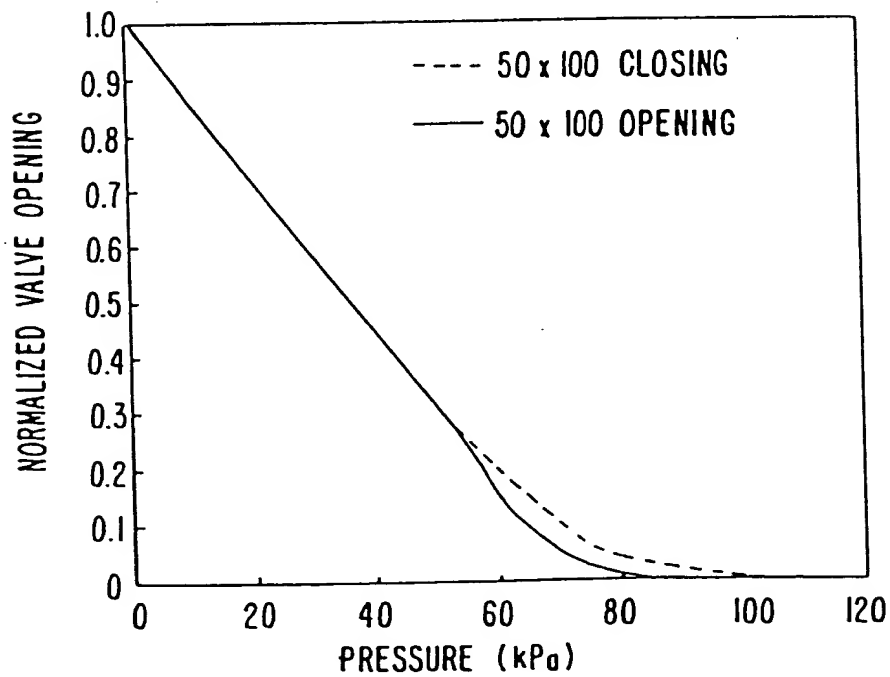




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(a)



(b)

**FIG. 19.**



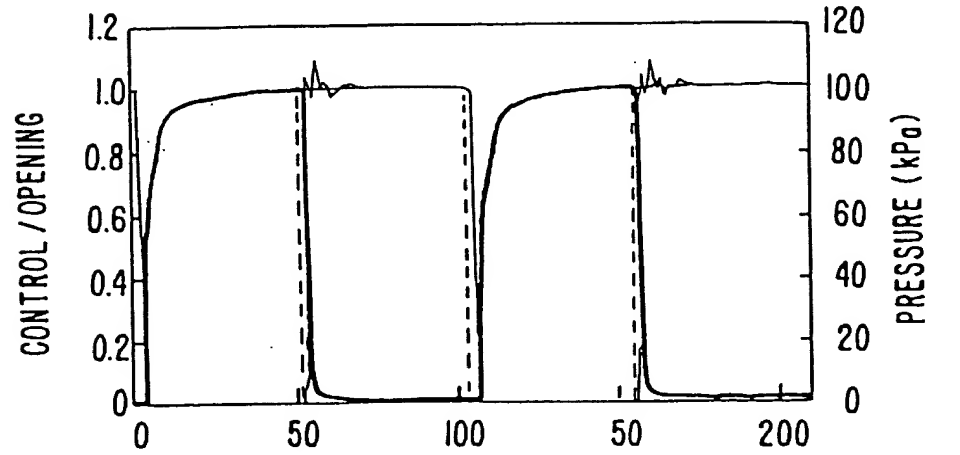
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10 Hz

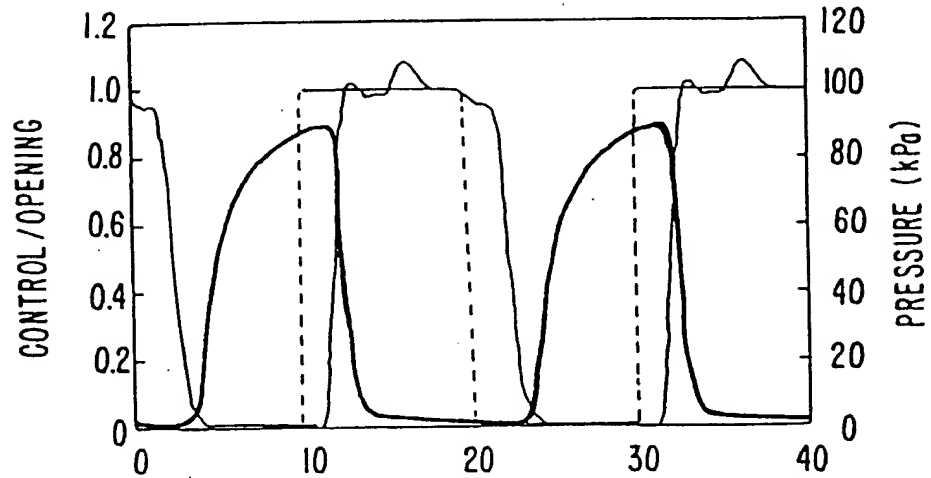
--- CONTROL

— VALVE OPENING

— PRESSURE



50 Hz



100 Hz

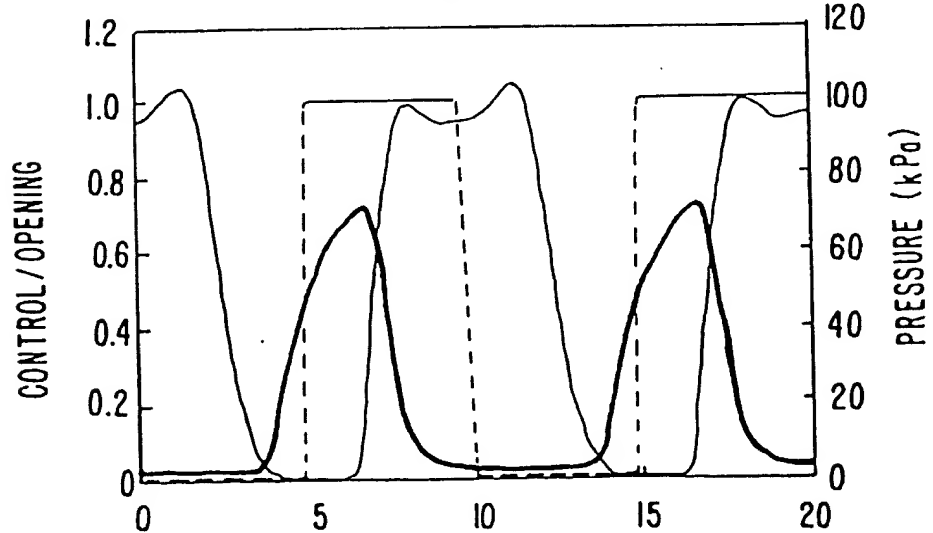


FIG. 20.





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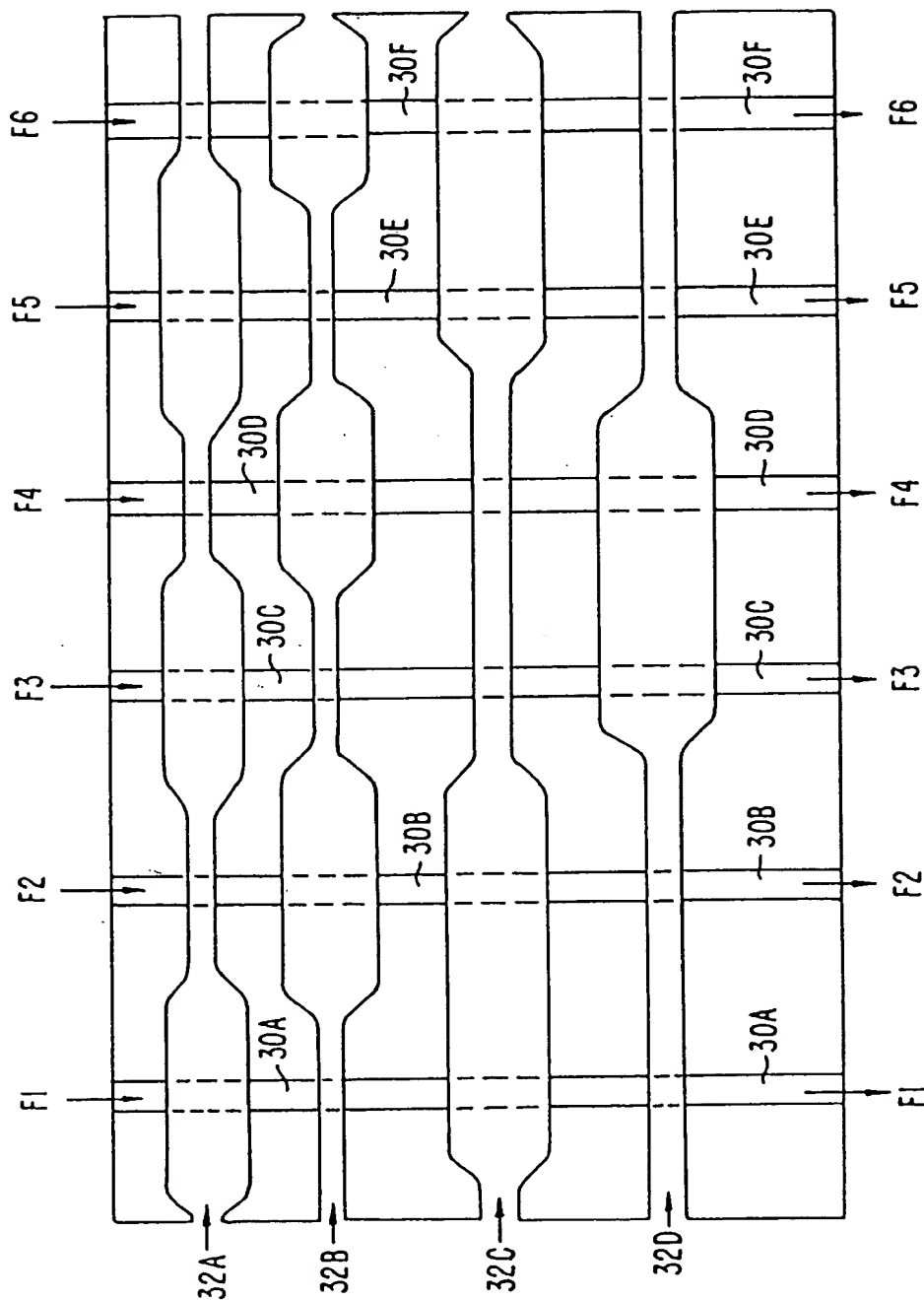
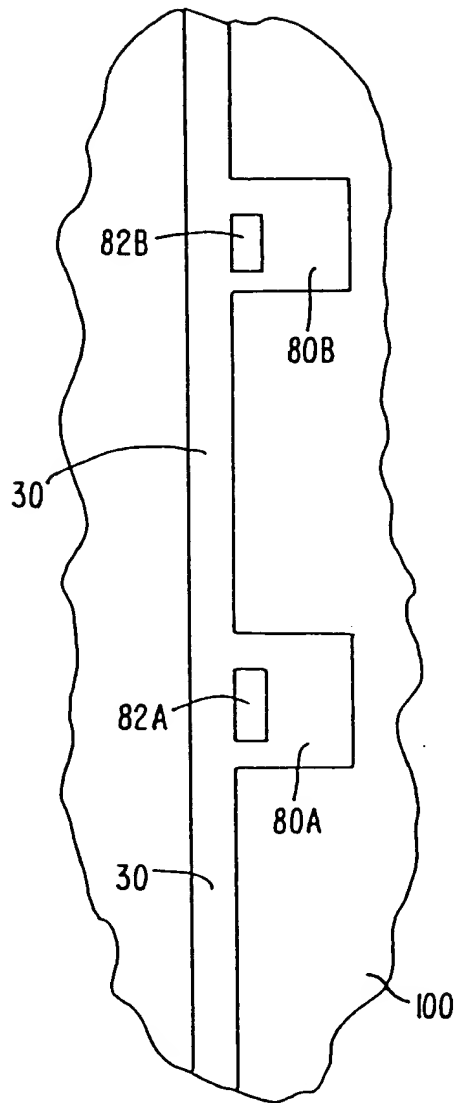


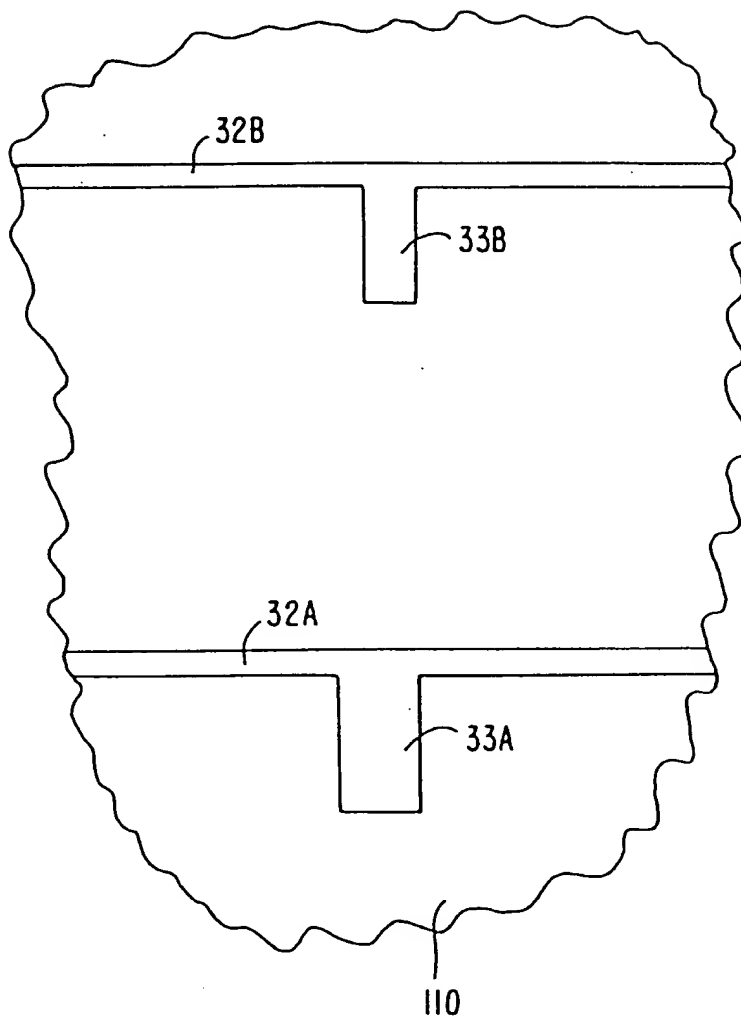
FIG. 21.



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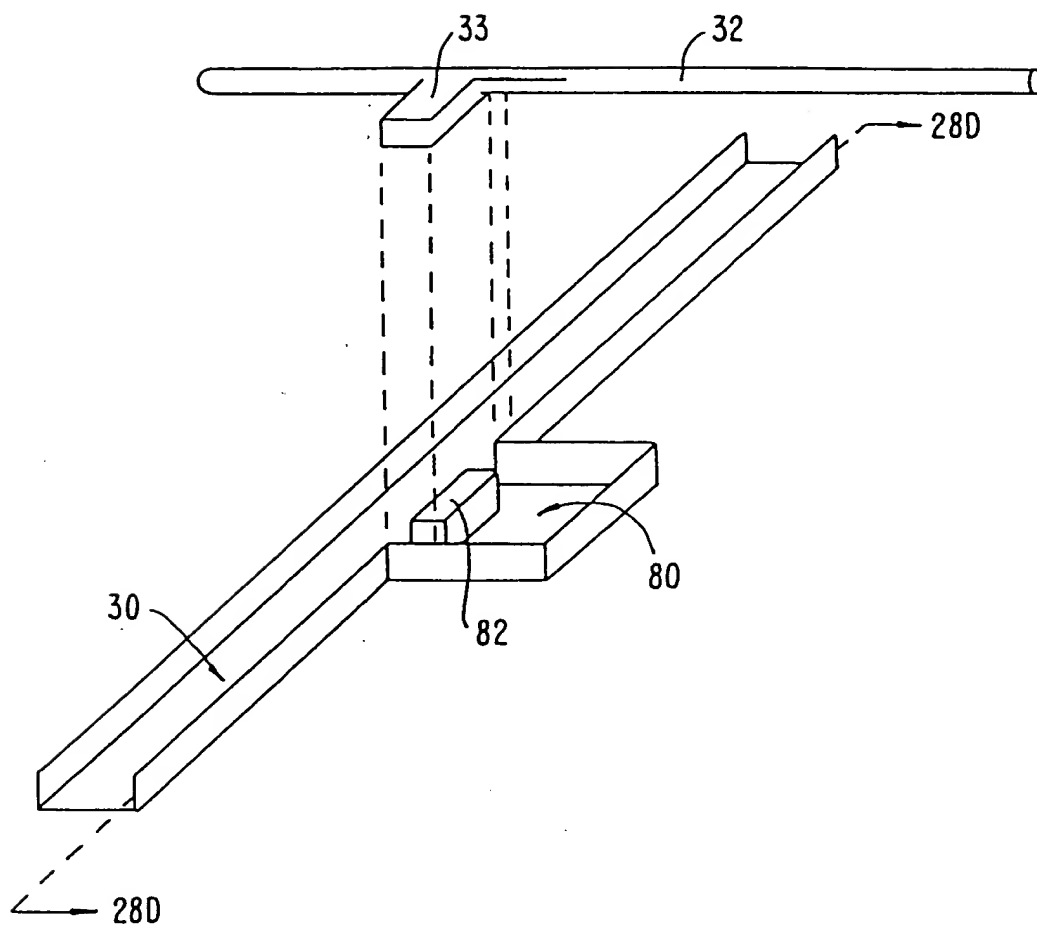
**FIG. 22A.**



**FIG. 22B.**



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**FIG. 22C.**



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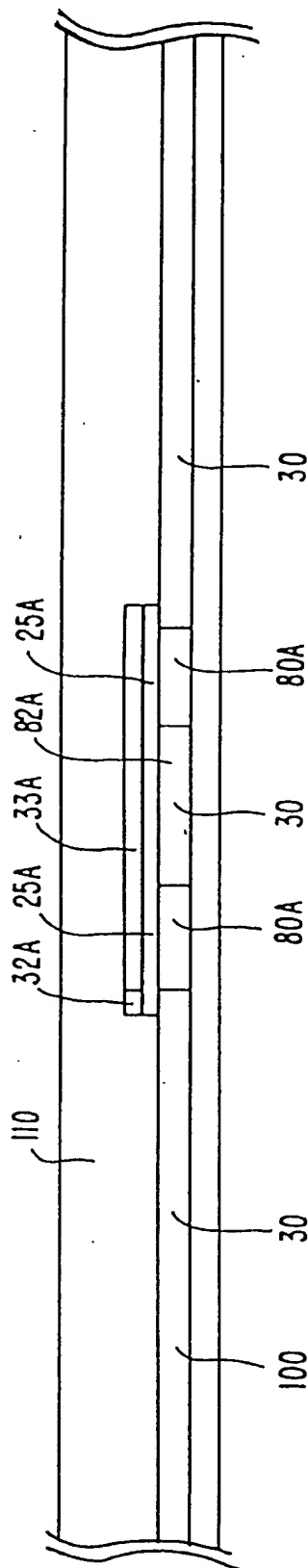


FIG. 22D.

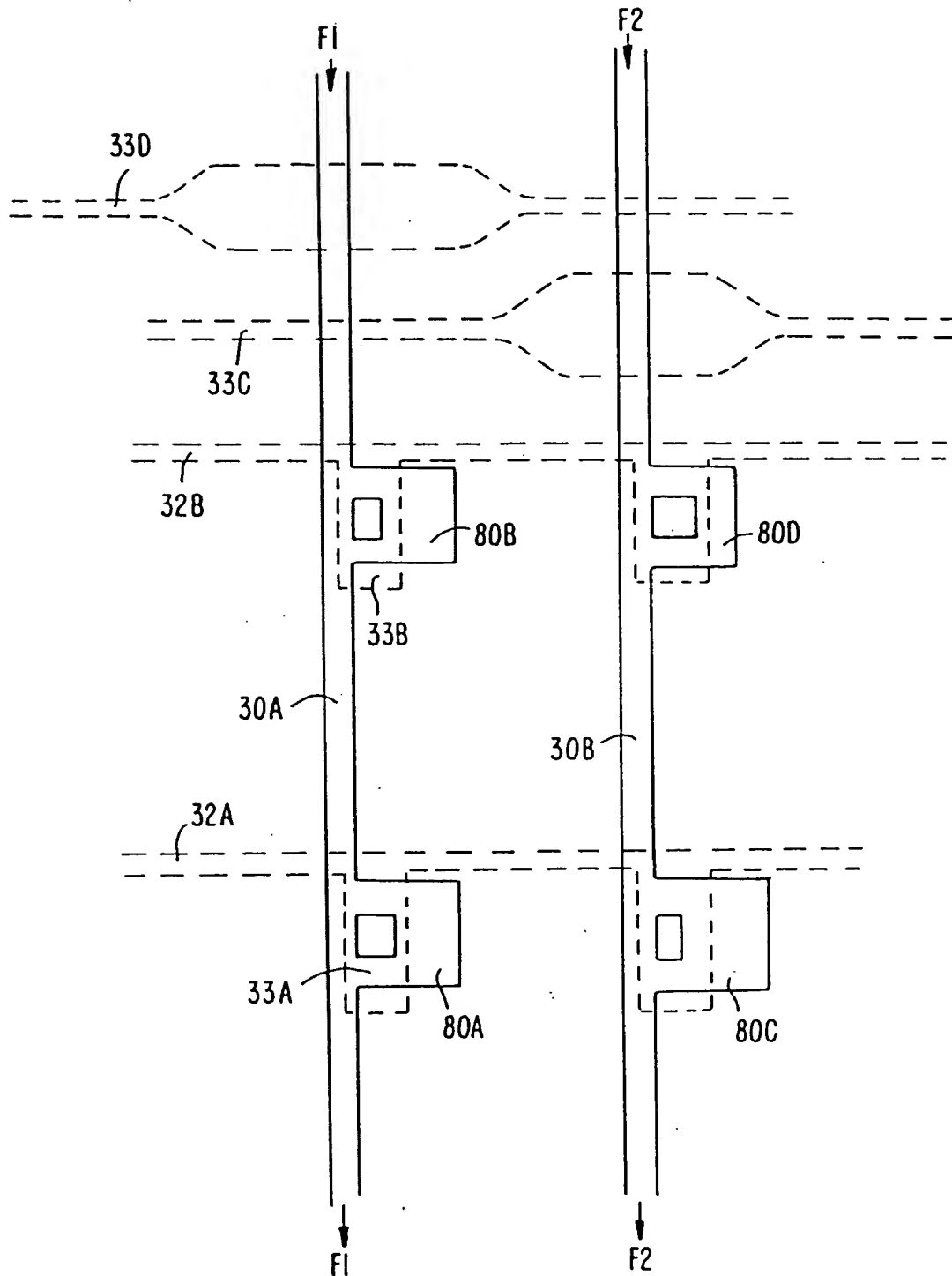
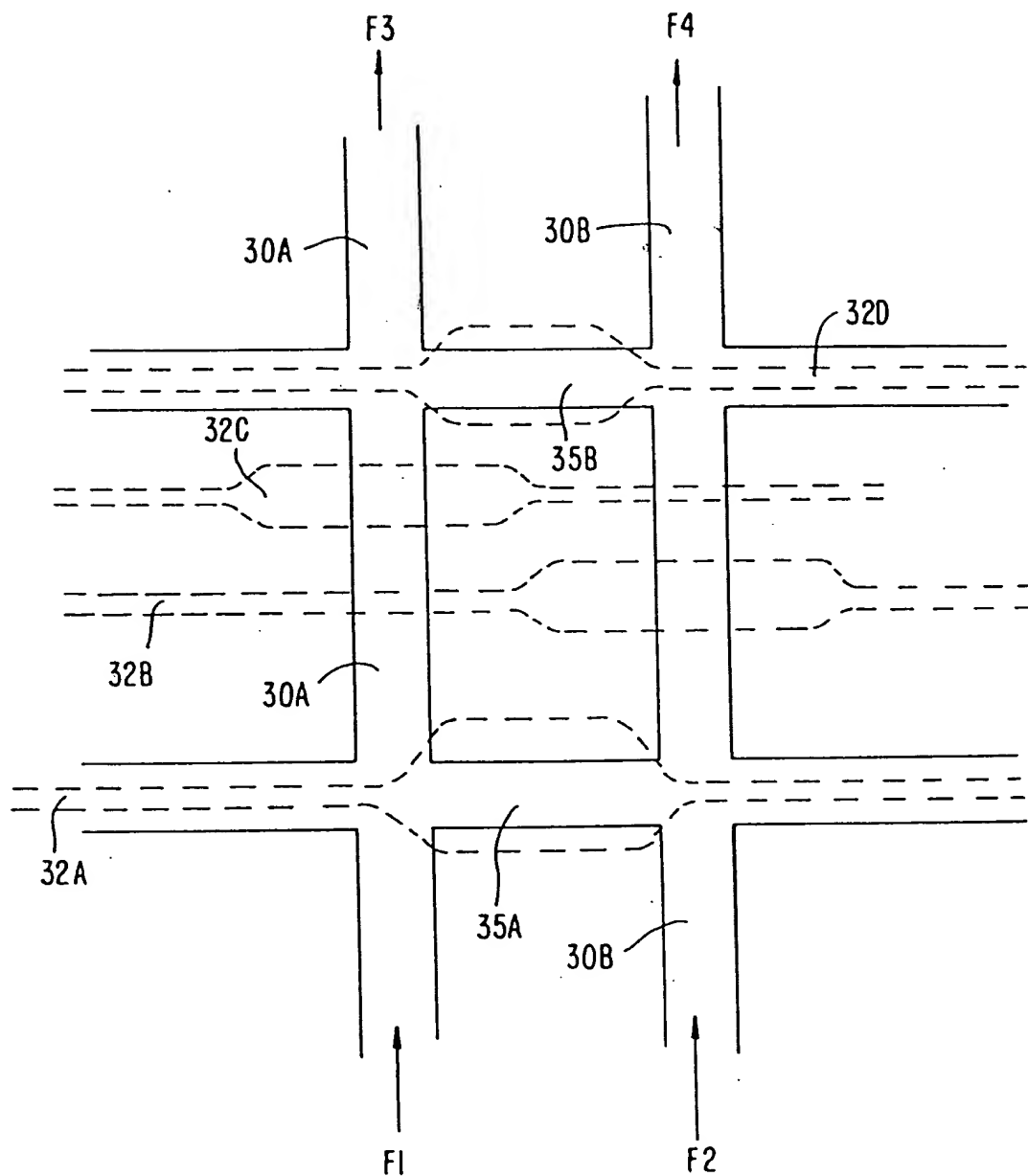


FIG. 23.



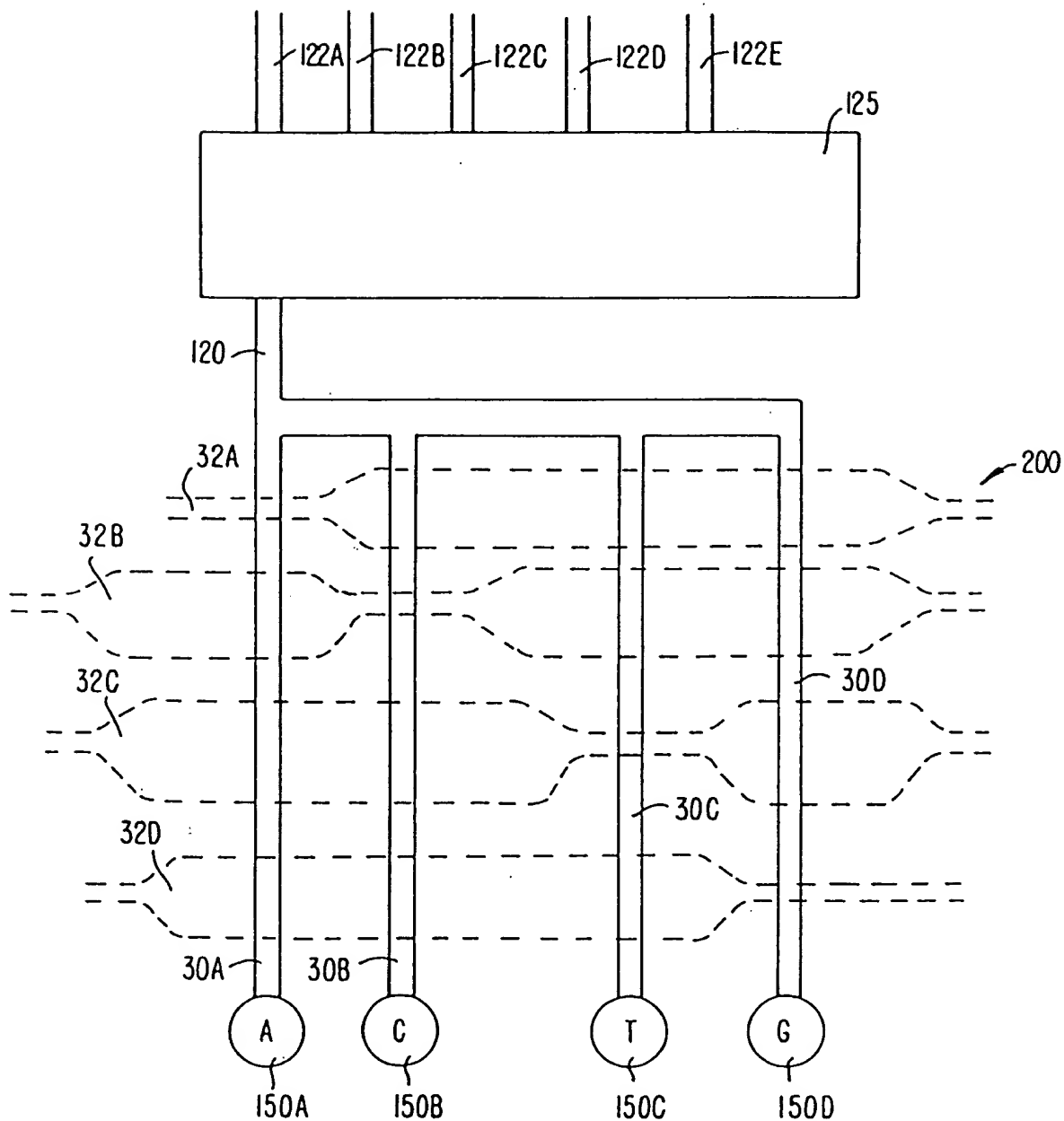
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**FIG. 24.**



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**FIG. 25.**



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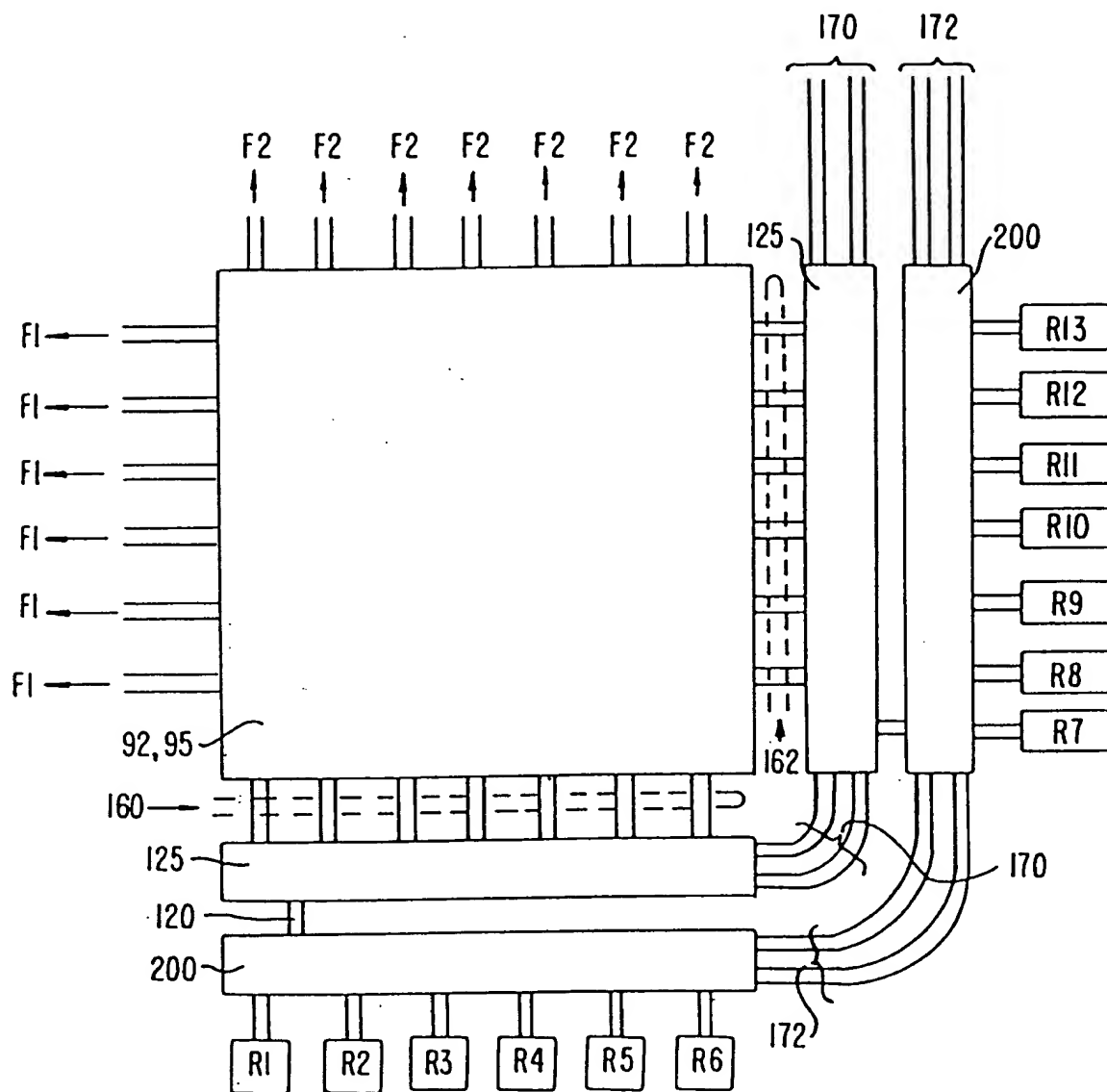


FIG. 26.



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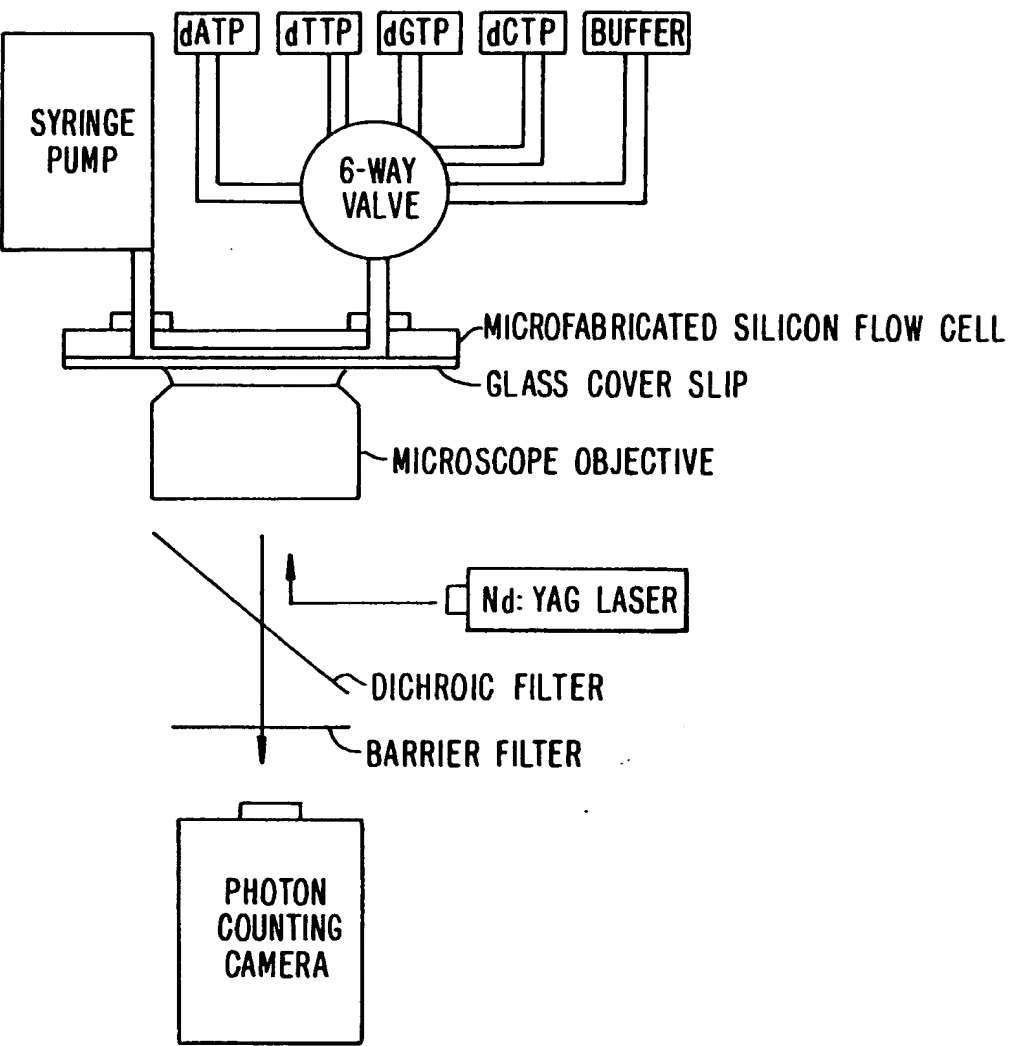


FIG. 27.